

**JP08122956**  
**SILVER HALIDE PHOTOGRAPHIC EMULSION**  
**MITSUBISHI PAPER MILLS LTD**  
**Inventor(s): ;ISHIGURO NAOYUKI ;BABA SUSUMU**  
**Application No. 06257073 , Filed 19941021 , Published 19960517**

**Abstract:**

**PURPOSE:** To obtain a photographic emulsion high in sensitivity and low in fog by incorporating a metal chelating agent and at least one kind of sugar in the silver halide photographic emulsion subjected to reduction sensitization and/or chemical ripening.

**CONSTITUTION:** The silver halide photographic emulsion subjected to reduction sensitization and/or chemical ripening contains at least one kind of metal chelating agent, preferably, such as tartaric acids, ethylenediamine(tetraacetic acid, nitrilotriacetic acid, and uramil- diacetic acid, in an amount of  $1 \times 10^{-7}$ - $1 \times 10^{-1}$  mol per 1mol of silver halide, and at least one kind of sugar, such as monosaccharides, disaccharides, and polysaccharides, in an amount of  $1 \times 10^{-7}$ - $1 \times 10^{-1}$  mol per 1mol of silver halide, and the reduction sensitization may be executed in any stage of the manufacturing processes of the silver halide photographic sensitive material.

**Int'l Class:** G03C00108 G03C001015 G03C00134

JP55098745

PRODUCTION OF PHOTOGRAPHIC COATING FLUID CONTAINING GELATIN  
MITSUBISHI PAPER MILLS LTD

Inventor(s): ;IKEDA HIROSHI ;NODA TORU ;NOMURA MASAMI

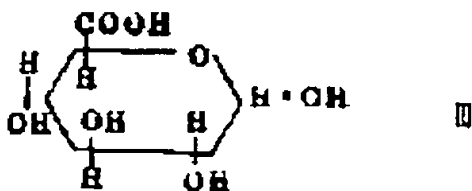
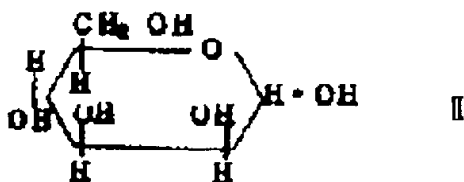
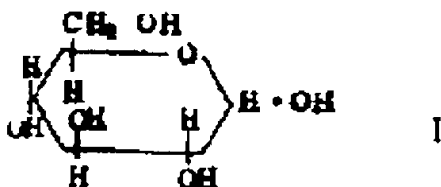
Application No. 54005686 , Filed 19790120 , Published 19800728

**Abstract:**

**PURPOSE:** To enable a photographic coating fluid to be uniformly coated at a high speed to form a thin film by adding a polysaccharide having glucose units as the principal chain and mannose and glucuronic acid units as the linear side chains to the fluid.

**CONSTITUTION:** To a photographic coating fluid containing acid-treated gelatin, etc. is added about 0.01W30wt% of a polysaccharide having units of glucose of formula I as the principal chain and units of mannose of formula II and glucuronic acid of formula III as the side chains. This polysaccharide preferably has two glucose units, two mannose units and one glucuronic acid unit in one constitutive unit. By this composition the fluid can uniformly be coated onto a support to form a thin film without causing looseness and running of the film, and the fluid has increased stability and becomes easy to handle.

Int'l Class: G03C00174



JP55098746

PRODUCTION OF PHOTOGRAPHIC COATING FLUID

MITSUBISHI PAPER MILLS LTD

Inventor(s): ;IKEDA HIROSHI ;NODA TORU ;NOMURA MASAMI

Application No. 54005687 , Filed 19790120 , Published 19800728

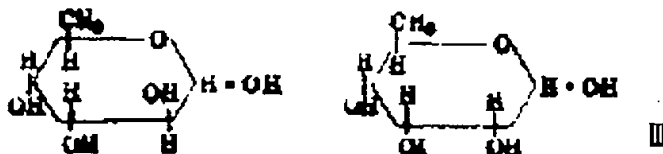
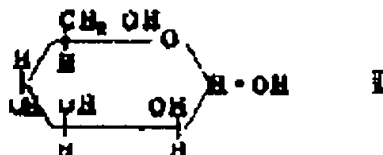
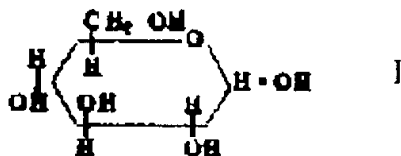
**Abstract:**

**PURPOSE:** To enable a photographic coating fluid to be uniformly coated at a high speed to form a thin film by adding a polysaccharide having glucose units as the principal chain and mannose, fucose and glucuronic acid units as the branched chains to the fluid.

**CONSTITUTION:** To a photographic coating fluid containing acid- treated gelatin, etc. is added about 0.01W30wt% of a polysaccharide having units of glucose of formula I as the principal chain and units of mannose of formula II, fucose of formula III and glucuronic acid of formula IV as the branched chains. By this composition the fluid can uniformly be coated onto a support to form a thin film without increasing the film thickness and causing looseness and running of the film. In addition, the fluid has increased stability and becomes easy to handle.

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Int'l Class: G03C00174



(epi glucose)

